Netflix Siblings

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A brief intro

My sister and I have a long history of watching Netflix.

There are some minor outliers in the datasets, namely when we use each others accounts.

If you would like to create your own version of this dataset, or find your Netflix history go to: https://www.netflix.com/YourAccount

From there, select the specific profile ⇒ Viewing Activity ⇒ Download All

Loading Libraries and Data

```
library(tidyverse)
library(openair)
library(readr)
my_history <- read_csv("~/Coding/R/sis-and-me-netflix/MyNetflixHistory.csv")
sibling_history <- read_csv("~/Coding/R/sis-and-me-netflix/SisNetflixHistory.csv")</pre>
sample_n(my_history, 4)
## # A tibble: 4 x 2
##
    Title
                                                         Date
     <chr>>
##
                                                         <chr>>
## 1 The Office (U.S.): Season 8: Spooked
                                                         8/23/19
## 2 Carmen Sandiego: Season 4: The Big Bad Ivy Caper 1/16/21
## 3 Arrested Development: Season 1: Whistler's Mother 4/28/20
## 4 Community: Season 6: Grifting 101
                                                         4/9/20
```

Data Prep

As can be seen above, the initial dataset contains only two variables.

Date fixing

```
my_history$Date <- as.Date(my_history$Date,"%m/%d/%y")
sibling_history$Date <- as.Date(sibling_history$Date,"%m/%d/%y")</pre>
```

Movie or TV series

```
my_history$type <- grepl(":", my_history$Title)
my_history$type <- my_history$type %>%
   replace(my_history$type==TRUE, "TV Series") %>%
   replace(my_history$type==FALSE, "Movie")

sibling_history$type <- grepl(":", sibling_history$Title)
sibling_history$type <- sibling_history$type %>%
   replace(sibling_history$type==TRUE, "TV Series") %>%
   replace(sibling_history$type==FALSE, "Movie")
```

Series, Season and episode

Day of Week

```
Using
```

Outputted Tibble

```
sample_n(my_history, 4)
## # A tibble: 4 x 6
    Series
##
                       Season
                                           Episode
                                                      Date
                                                                 type
                                                                          day
##
    <chr>>
                       <chr>>
                                           <chr>
                                                       <date>
                                                                 <chr>>
                                                                          <fct>
## 1 The Office (U.S.) Season 7
                                           Sex Ed
                                                      2019-08-19 TV Seri~ Monday
## 2 Love, Death & Rob~ Volume 1
                                           THE WITNESS 2020-06-13 TV Seri~ Saturd~
## 3 Spider-Man Into the Spider-Ve~ <NA>
                                                      2020-01-28 TV Seri~ Tuesday
## 4 Santa Clarita Diet Season 2
                                           Going Pre-~ 2020-05-09 TV Seri~ Saturd~
```

#Compare dataset

```
my_history$individual <- "Tay"
sibling_history$individual <- "Sis"

merged <- rbind(my_history, sibling_history)</pre>
```

Numerical analysis

##Binge Watching

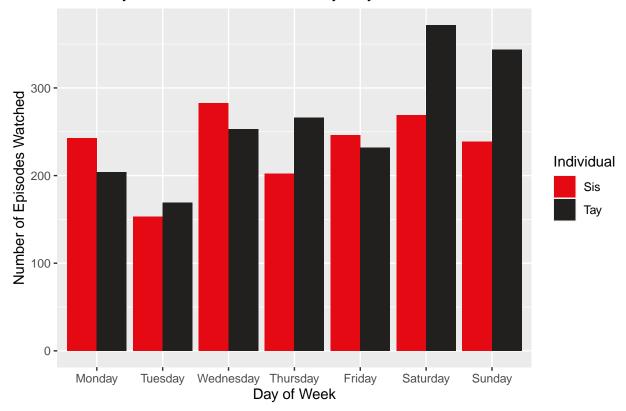
Who hasn't binge watched Netflix before

#Graphical Analysis

Looking at

```
ggplot(merged, aes(x = day, fill=individual) ) +
  geom_bar(position = "dodge") +
  labs(title = "Sis v. Tay: Netflix Shows Watched by Day") +
  scale_fill_manual("Individual", values=c("#E50914","#221F1F")) +
  xlab("Day of Week") +
  ylab("Number of Episodes Watched")
```

Sis v. Tay: Netflix Shows Watched by Day



A Calander of Events

2020 was a unique year, with lockdown beginning in February...

```
January-2020
                    February-2020
                                                               April-2020
                                         March-2020
28 29 30 31 1 2 3
                    25 26 27 28 29 30 31
                                        29 1 2 3 4 5 6
                                                             28 29 30 31 1 2 3
                                                                                    25
4 5 6 7 8 9 10
                    1 2 3 4 5 6 7
                                                             4 5 6 7 8 9 10
                                        7 8 9 10 11 12 13
11 12 13 14 15 16 17
                    8 9 10 11 12 13 14
                                        14 15 16 17 18 19 20
                                                             11 12 13 14 15 16 17
18 19 20 21 22 23 24
                    15 16 17 18 19 20 21
                                        21 22 23 24 25 26 27
                                                             18 19 20 21 22 <mark>23</mark> 24
25 26 27 28 29 30 31
                    22 23 24 25 26 27 28
                                        28 29 30 31 1 2 3
                                                             25 26 27 28 29 30 1
1 2 3 4 5 6 7
                    29 1 2 3 4 5 6
                                        4 5 6 7 8 9 10
                                                             2 3 4 5 6 7 8
                                                                                    20
SSMTWTF
                    SSMTWTF
                                         SSMTWTF
                                                             SSMTWTF
  May-2020
                                           July-2020
                                                             August-2020
                      June-2020
25 26 27 28 29 30 1
                    30 31 1 2 3 4 5
                                        27 28 29 30 1 2 3
                                                             25 26 27 28 29 30 31
2 3 4 5 6 7 8
                    6 7 8 9 10 11 12
                                         4 5 6 7 8 9 10
                                                             1 2 3 4 5 6 7
                                                                                    15
9 10 11 12 13 14 15
                    13 14 15 16 17 18 19
                                                             8 9 10 11 12 13 14
                                        11 12 13 14 15 16 17
16 17 18 19 20 21 22
                    20 21 22 23 24 25 26
                                        18 <mark>19</mark> 20 21 22 23 24
                                                             15 16 17 <mark>18 19 20 21</mark>
23 24 25 26 27 28 29
                    27 28 29 30 1 2 3
                                        25 26 27 28 29 30 31
                                                             22 23 24 25 26 27 28
30 31 1 2 3 4 5
                    4 5 6 7 8 9 10
                                        1 2 3 4 5 6 7
                                                             29 30 31 1 2 3 4
                                                                                    10
SSMTWTF
                    SSMTWTF
                                         SSMTWTF
                                                             SSMTWTF
October-2020
                    November-2020
                                        )ecember-2020
26 27 28 29 30 1 2
                    31 1 2 3 4 5 6
                                        28 29 30 1 2 3 4
3 4 5 6 7 8 9
                    7 8 9 10 11 12 13
                                         5 6 7 8 9 10 11
                                                                                    5
10 11 12 13 14 15 16
                    14 15 16 17 18 <mark>19</mark> 20
                                         12 13 14 15 16 17 18
17 18 19 20 21 22 23
                    21 22 23 24 25 26 27
                                         19 20 21 22 23 24 25
24 25 26 27 28 29 30
                    28 29 30 1 2 3 4
                                        26 27 28 29 30 31 1
31 1 2 3 4 5 6
                    5 6 7 8 9 10 11
                                        2 3 4 5 6 7 8
SSMTWTF
                    SSMTWTF
                                         SSMTWTF
```

April-2020	May-2020 June-2020	100
28 29 30 31 1 2 3	25 26 27 28 29 30 1 30 31 1 2 3 4 5	
4 5 6 7 8 9 10	2 3 4 5 6 7 8 6 7 8 9 10 11 12	
11 12 13 14 15 16 17	9 10 11 12 13 14 15 13 14 15 16 17 18 19	
18 19 20 21 22 23 24	16 17 18 19 20 21 22 20 21 22 23 24 25 26	
25 <mark>26 27 28 29 30</mark> 1	23 24 25 26 27 28 29 27 28 29 30 1 2 3	80
2 3 4 5 6 7 8	30 31 1 2 3 4 5 4 5 6 7 8 9 10	
SSMTWTF	SSMTWTF SSMTWTF	
July-2020	August-2020 eptember-2020	
27 28 29 30 1 2 3	25 26 27 28 29 30 31 29 30 31 1 2 3 4	60
4 5 6 7 8 9 10	1 2 3 4 5 6 7 5 6 7 8 9 10 11	
11 12 13 14 15 16 17	8 9 10 11 12 <mark>13 14 12 13 14 15 16 17 18</mark>	
18 19 20 21 22 23 24	15 16 17 18 19 20 21 19 20 21 22 23 24 25	
25 26 27 28 29 30 31	22 23 24 25 <mark>26 27</mark> 28	
1 2 3 4 5 6 7	29 30 31 1 2 3 4 3 4 5 6 7 8 9	40
SSMTWTF	SSMTWTF SSMTWTF	
October-2020	November-2020 December-2020	
26 27 28 29 30 1 2	31 1 2 3 4 5 6 28 29 30 1 2 3 4	
3 4 5 6 7 8 9	7 8 9 10 11 12 13 5 6 7 8 9 10 11	20
10 11 12 13 14 15 16	14 15 16 17 18 <mark>19 20 </mark>	
17 18 19 20 21 22 23	21 22 23 24 25 26 27 19 20 21 22 23 24 25	
24 25 26 27 28 29 30	28 29 30 1 2 3 4 26 27 28 29 30 31 1	
31 1 2 3 4 5 6	5 6 7 8 9 10 11 2 3 4 5 6 7 8	
SSMTWTF	SSMTWTF SSMTWTF	